

# FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed 6-21-61

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA ✓

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driller's Log 6-29-61

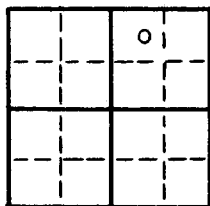
Electric Logs (No. ) 1

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic ✓ Others \_\_\_\_\_

(SUBMIT IN DUPLICATE)

LAND:



Sec. 23

**STATE OF UTAH**  
**OIL & GAS CONSERVATION COMMISSION**

STATE CAPITOL BUILDING  
 SALT LAKE CITY 14, UTAH

Fee and Patented.....☐  
 State.....☐  
 Lease No. ....  
 Public Domain.....☒  
 Lease No. SL 067043  
 Indian.....☐  
 Lease No. ....

## SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well..... .....	<input checked="" type="checkbox"/>      	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History..... ..... .....
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 4, 1961

Pure-Big Flat Unit

Well No. 4 is located 330 ft. from {N} line and 1596 ft. from {E} line of Sec. 23

NE NW Sec. 23

26S

19E

Salt Lake

(¼ Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Big Flat

Grand

Utah

(Field)

(County or Subdivision)

(State or Territory)

ground (Ungraded)

The elevation of the ~~surface floor~~ above sea level is 5997 feet.

A drilling and plugging bond has been filed with U. S. Government

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

#### Proposed Casing Program:

- 35' - 16" OD Conductor Casing (Cemented to surface)
- 200' - 13-3/8" OD Surface Casing (Cemented to surface)
- 4,300' - 9-5/8" OD Intermediate Casing (Approx. 100 sax)
- 2,400' - 7" OD casing as liner (Cemented from top to bottom)

The principle objective is clastic zone in the salt.

Estimated Total Depth - 6,500'.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By

J. B. Strong

Title

District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

## THE PURE OIL COMPANY

## LOCATION REPORT

Date May 4, 1961A.F.E. No. 4411Division Northern Producing  
(1276.28 pt)Prospect Four Corners  
District (Big Flat Field)Lease USA (Salt Lake 067043)Acres 800 Lease No. 7399Elevation 5997 Gd. Well No. 4 (Serial No. \_\_\_\_\_)Quadrangle NW NE Sec. 23 Twp. 26S Rge. 19EBlk.  
Dist.  
Twp.Survey Salt Lake Meridian County Grand State UtahOperator The Pure Oil Company Map Utah 3-5

330 Feet South of the North line of Section  
1596 Feet West of the East line of Section  
 \_\_\_\_\_ Feet \_\_\_\_\_ of the \_\_\_\_\_ line of \_\_\_\_\_  
 \_\_\_\_\_ Feet \_\_\_\_\_ of the \_\_\_\_\_ line of \_\_\_\_\_

## LEGEND

○ Location



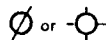
Gas Well



Oil Well



Gas-Distillate Well



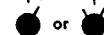
Dry Hole



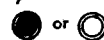
Abandoned Location



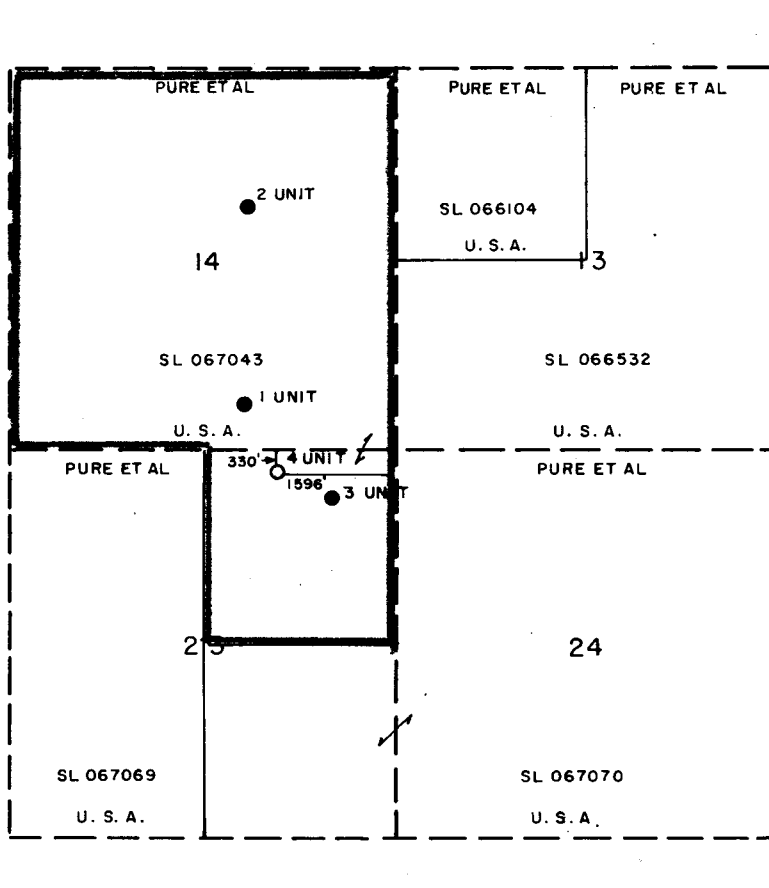
Abandoned Gas Well



Abandoned Oil Well



Input Well



Scale 2" = 1 MILE

Remarks: Pure operator with 54.95% interest subject to revision at later date  
to include possible carried interests of non-participating unit interest  
owners.

Submitted by Rex Ludwig Civil Engineer

Approved by \_\_\_\_\_ Division Manager

Approved by \_\_\_\_\_ Vice-President—General Manager

# THE PURE OIL COMPANY

GENERAL OFFICES, 200 EAST GOLF ROAD, PALATINE, ILLINOIS

NORTHERN PRODUCING DIVISION

FOUR CORNERS DISTRICT

P. O. Box 265

MOAB, UTAH

May 5, 1961

Mr. Cleon E. Feight, Secretary  
Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 1, Utah

Dear Mr. Feight:

Enclosed in triplicate is a Notice of  
Intention to Drill Pure-Big Flat Unit No. 1.

The Location Reports which usually accompany these Notices have not been received from our Denver Office at this time but will be forwarded to you when received.

Yours very truly,

THE PURE OIL COMPANY

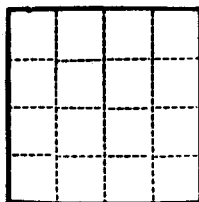


J. B. Strong  
District Clerk

JBS:mc  
Encs.

**REVISED**  
(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-228.4  
Approval expires 12-31-60.



See Plat Attached

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

Land Office Salt Lake  
Lease No. USA SL-067043  
Unit Big Flat

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... May 5, ....., 1961

Pure-Big Flat Unit

Well No. 4 is located 330 ft. from {N} line and 1596 ft. from {E} line of sec. 23

NE NW Sec. 23  
(1/4 Sec. and Sec. No.)

26S  
(Twp.)

19E  
(Range)

Salt Lake  
(Meridian)

Big Flat  
(Field)

Grand  
(County or Subdivision)

Utah  
(State or Territory)

ground (Ungraded)

The elevation of the ~~surface~~ above sea level is 5927 ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Casing Program:

- 200' - 13-3/8" OD Surface Casing (Cemented to surface)
- 4,300' - 9-5/8" OD Intermediate Casing (Approx. 100 sax)
- 6,500' - 7" OD Casing (Cemented into bottom of 9-5/8" casing)

The principle objective is clastic zone in the salt.

Estimated Total Depth - 6,500'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong  
J. B. Strong

Title District Chief Clerk

May 8, 1961

The Pure Oil Company  
P. O. Box 265  
Moab, Utah

Attn: J. B. Strong, Dist. Chief Clerk

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Big Flat Unit #4, which is to be located 330 feet from the north line and 1396 feet from the east line of Section 23, Township 26 South, Range 19 East, SE1/4, Grand County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Under Rule A-3, the approval of this Commission is not necessary when an unannotated copy of the unit agreement is on file with this office. In such a case, it is only necessary to file copies of all notices of intention and subsequent reports that are filed with the United States Geological Survey.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

GLEN E. FRIGER,  
EXECUTIVE SECRETARY

GWF:mg

cc: Don F. Russell, Dist. Eng.  
U. S. Geological Survey

H. L. Counts - 0002, Moab

# THE PURE OIL COMPANY

GENERAL OFFICES, 200 EAST GOLF ROAD, PALATINE, ILLINOIS

NORTHERN PRODUCING DIVISION

FOUR CORNERS DISTRICT

P. O. Box 265

MOAB, UTAH

May 10, 1961

Mr. Cleon B. Feight, Secretary  
Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

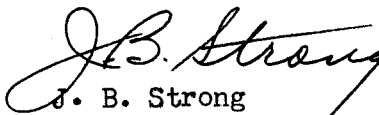
Dear Mr. Feight:

Enclosed is a copy of the revised Notice of Intention to Drill our Pure-Big Flat Unit No. 4, located in the NW NE of Section 23, T-26S, R-19E, Grand County, Utah.

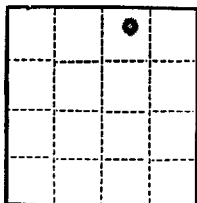
The original Notice showed 2,400' of 7" OD casing as liner, whereas we now propose to set 6,500' of 7" OD casing to total depth.

Yours very truly,

THE PURE OIL COMPANY

  
J. B. Strong  
District Chief Clerk

Encl:



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. USA SL-067043  
Unit Big Flat

Section 23

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 16, 1961

Pure-Big Flat Unit

Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23

NE NW Sec. 23

(¼ Sec. and Sec. No.)

26S

(Twp.)

19E

(Range)

Salt Lake

(Meridian)

Big Flat

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

ground (Ungraded)

The elevation of the ~~bottom of hole~~ above sea level is 5997 ft.

KB elevation will be furnished later.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 1:45 a.m. 5-14-61. Drilled 12-1/4" hole to 276'. Reamed to 12-1/4" to 243'.

Set 8 jts. 13-3/8" OD casing at 241' with 200 sax regular cement with 2% calcium chloride. Job complete 10:30 a.m. 5-15-61.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

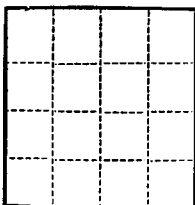
Company The Pure Oil Company

Address P. O. Box 265

Monb, Utah

By J. B. Strong  
Title District Chief Clerk





(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake

Lease No. USA SL-067043

Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 26, 1961

Pure-Big Flat Unit

Well No. h is located 330 ft. from [N] line and 1596 ft. from [E] line of sec. 23

NE NW Sec. 23  
(1/4 Sec. and Sec. No.)

26S  
(Twp.)

19E  
(Range)

Salt Lake  
(Meridian)

Big Flat  
(Field)

Grand  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 295 ft.  
~~its elevation is 6009 ft.~~

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Set 133 fts of 9-5/8" OD 36# 1-55 casing at 4225' and cemented with 200 ex regular cement with 16 lbs salt per sack and 3 percent calcium chloride.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. S. Strong  
District Chief Clerk

Title

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.  
Approval expires 12-31-60.

LAND OFFICE Salt Lake City  
LEASE NUMBER SLC 067043  
UNIT Big Flat

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Big Flat

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 19 61,

Agent's address P. O. Box 265 Company The Pure Oil Company  
Moab, Utah

Phone Alpine 3-3581 Signed J. B. Strong  
Agent's title District Chief Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SW¼ SE¼ Sec. 14	26S	19E	1	-0-	-0-	-	-0-	-	None	Shut down entire month. Rods parted.
SW¼ NE¼ Sec. 14	26S	19E	2	-0-	-0-	-	-0-	-	None	Shut down entire month. Rods parted.
NE¼ NE¼ Sec. 23	26S	19E	3	30	1,490	42.4	1,300	-	1,265	Pumping.
NW¼ NE¼ Sec. 23	26S	19E	4	-0-	Drilled 5005' - 5131'. Halliburton DST No. 1, 4302' - 5131'. Drilled to 5340'. Halliburton DST No. 2, 5121' - 5340'. Drilled to 5523'. Halliburton DST No. 3, 5339' - 5523'. Drilled to 5645'. Halliburton DST No. 4, 5522' - 5645'. Drilled to 5736'. Halliburton DST No. 5, 5644' - 5736'. Drilled to 5905'. Halliburton DST No. 6, 5736' - 5905'. <del>Drilled to 5905'. Halliburton DST No. 7, 5336' - 5905'.</del> Drilled to 6120'. Halliburton DST No. 8, 5905' - 6120'. Drilled to 6214'. Halliburton DST No. 9, 6120' - 6214'. Drilled to 6280'. Halliburton DST No. 10, 6214' - 6280'. Drilled to 6460'. Halliburton DST No. 11, 6278' - 6460'. Drilled to 6721'. Halliburton DST No. 12, 6460' - 6721'. Drilling completed 6-16-61. Ran electric logs to TD. Well plugged and abandoned 6-21-61. <u>FINAL.</u>					

NOTE.—There were See Form 9-361 runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

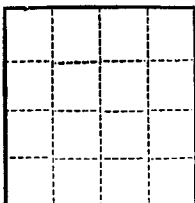
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake

Lease No. USA SL-067043

Unit Big Flat

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 6, 1961

Big Flat Unit No. \_\_\_\_\_  
Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23

NW NE Sec. 23 26S 19E Salt Lake  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Big Flat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> ~~derrick floor~~ above sea level is 6007 ft. Laughlin-Simmons  
KB elevation 6017 ft. Laughlin-Simmons  
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 1 - 4302' - 5131'. Tool open 30 minutes. Opened with a weak blow, died in 1 minute. Recovered 270' of drilling fluid. Pressures: IH 2350; No ICI; IF 170; FF 180; 30 minute FCI 345; FH 2350; Bottom hole temp. 100°.

DST No. 2 - 5121' - 5340'. Tool open for initial opening with weak blow, died in 1 minute. Left tool open 30 minutes. Recovered 50' of drilling fluid. Pressures: IH 2900; No ICI; IF & FF 170; 30 minute FCI 320; FH 2835.

DST No. 3 - 5339' - 5523'. Opened with a weak blow and died in 1 minute. Pulled loose and reset tool. Opened with a weak blow and died. Left tool open one hr. Recovered 50' of drilling fluid. Pressures: IH & FH 2940; No ICI; IF 70; FF 85; 30 minute FCI 1975.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

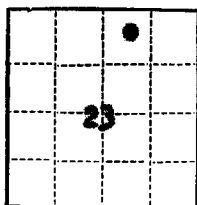
Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. H. Strong

Title District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake

Lease No. USA SL-067043

Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY..... <b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 12, 1961

Big Flat Unit No.

Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23

NW NE Sec. 23

(1/4 Sec. and Sec. No.)

26S

(Twp.)

19E

(Range)

Salt Lake

(Meridian)

Big Flat

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~drinking~~ <sup>ground</sup> above sea level is 6007 ft.

**KB elevation 6017 ft.**  
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 6 - 5736' - 5905'. Tool open one hour. Opened with a weak blow, died in one minute. Recovered 70' of drilling fluid. Pressures: IM 3320; 30 minute ICI 275; IF and FF 170; 30 minute FCI 190; FH 3285.

DST No. 7 - 5336 - 5905'. Tool opened with a weak blow and died in 2 minutes on 15 minute initial opening. Tool open one hour. Opened with weak blow and died in one minute. Recovered 300' of drilling fluid. Pressures: IM 2800; 15 minute ICI 2510; IF 140; FF 204; 20 minute FCI 2730; FH 2465.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

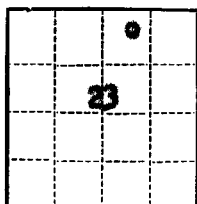
Address P. O. Box 265

Noah, Utah

Alpine 3-3581

By J. B. Strong

Title District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office Salt Lake  
Lease No. USA SL-067043  
Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 12, 19 61

Big Flat Unit No.

Well No. 4 is located 330 ft. from {N}  
{g} line and 1596 ft. from {E}  
{W} line of sec. 23

NW NE Sec. 23

(¼ Sec. and Sec. No.)

26S

(Twp.)

19E

(Range)

Salt Lake

(Meridian)

Big Flat

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~surface~~ ground above sea level is 6007 ft.  
KB elevation 6017 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 4 - 5522' - 5645'. Tool opened with a weak blow, died in one minute. Pulled loose and re-set tool. Shut in for ICI. Tool open one hour. No blow. Recovered 40' of drilling fluid. Pressures: IH 3145; 30 minute ICI 170; IF and FF 140; 30 minute FCI 155; FH 3110.

DST No. 5 - 5644' - 5736'. Tool opened with a weak blow, died in 1 minute. Pulled loose and re-set tool. Tool open one hour. No blow. Recovered 40' of drilling fluid. Pressures: IH and FH 3235; 30 minute ICI 435; IF and FF 105; 30 minute FCI 140.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

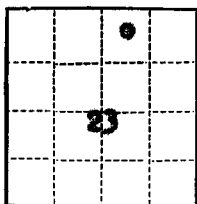
Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. B. Strong  
Title District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. USA SL-067013  
Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 14, 1961

Big Flat Unit No.

Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23

NE NE Sec. 23 26S 19E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Big Flat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drinking~~ ground above sea level is 6007 ft.  
KB elevation 6017 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 8 - 5905' - 6120' Tool open one hour. Opened with a weak blow, died in one minute. No recovery as had to reverse fluid out in order to free stuck test tool. Pressures: 30 minute ICI 1295; IF and FF 120; 30 minute FCI 525.

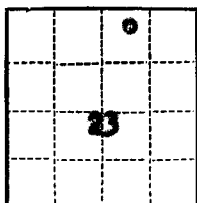
DST No. 9 - 6120' - 6214' Tool open one hour. Opened with a weak blow and died in one minute. Recovered 60' of drilling fluid. Pressures: IH and FH 3455; 30 minute ICI 210; IF and FF 140; 30 minute FCI 175.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265  
Moab, Utah  
Alpine 3-3581

By J. B. Strong  
Title District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R368.4  
Approval expires 12-31-60.

Land Office Salt Lake  
Lease No. USA 51-067043  
Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 15, 19 61

Big Flat Unit No.

Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23

NW NE Sec. 23

(1/4 Sec. and Sec. No.)

26S

(Twp.)

19E

(Range)

Salt Lake

(Meridian)

Big Flat

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~surface~~ ground above sea level is 6007 ft.

KB elevation 6017 ft.  
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 10 - 6214' - 6280' Tool opened with a very weak blow and died in two minutes on initial opening. Left tool open one hour. No blow. Recovered 40' of drilling fluid. Pressures: IH 3455; 30 minute ICI 140; IF and FF 70; 34 minute FCI 70; FH 3390.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

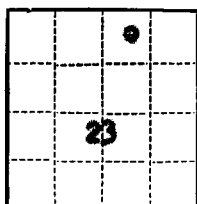
Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3501

By J. B. Strong  
Title District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office Salt Lake

Lease No. USA SL-067043

Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<b>X</b>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 16, 19 61

Big Flat Unit No.

Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23

NW NE Sec. 23

(1/4 Sec. and Sec. No.)

26S

(Twp.)

19E

(Range)

Salt Lake

(Meridian)

Big Flat

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~shooting star~~ <sup>ground</sup> above sea level is 6007 ft.

KB elevation 6017 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 11 6278' - 6460' Tool opened with a weak blow and died in 5 minutes on initial opening. Left tool open 1 hour. Recovered 40' of drilling fluid. Pressures: IH 3616; 30 minute ICI 240; IF and PF 155; 30 minute FCI 175; FH 3565.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. B. Strong

Title District Chief Clerk



		0
23		

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-E358.4.  
Approval expires 12-31-60.

Land Office Salt Lake  
Lease No. USA 91-167043  
Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Big Flat Unit No. \_\_\_\_\_ June 19 \_\_\_\_\_, 19 61  
Well No. 4 is located 330 ft. from N line and 1596 ft. from E line of sec. 23  
NW NE Sec. 23 26S 19E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Big Flat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~corner~~ <sup>ground</sup> above sea level is 6007 ft.  
~~6017~~ elevation 6017 ft.  
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST No. 12 6460' - 6721' Tool opened with fair bubble, died in 5 minutes.  
Left tool open one hour. Recovered 100' of drilling fluid. Pressures:  
IH 3465, 30 minute ICI 775, IF 165, FF 175, 30 minute FCI 445, FH 3615. Rig  
placed on standby without crews at 12 midnight 6-16-61.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

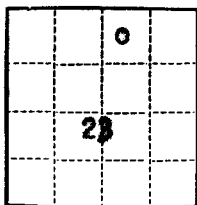
Company THE PURE OIL COMPANY

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. B. Strong  
J. B. Strong  
District Chief Clerk  
Title \_\_\_\_\_



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake  
Lease No. USA SL-167043  
Unit Big Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>X</b>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 19, 1961

Big Flat Unit No. 4 is located 330 ft. from [N] line and 1596 ft. from [E] line of sec. 23

NW NE Sec. 23 26S 19E Salt Lake  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Big Flat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 6007 ft.  
KB elevation 6017 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Plugging Program: 6721' TD. Pull an estimated 3500' of 9-5/8" OD casing from well. Leave all 13-3/8" OD casing in well, as it is cemented from bottom back to the surface. Set cement plugs, with 10.2# low water loss mud between plugs, as follows:

Plug No. 1 - 6520' - 6475' - 20 sax  
Plug No. 2 - 6050' - 5850' - 85 sax  
Plug No. 3 - 5250' - 5050' - 85 sax  
Plug No. 4 - 4250' - 4150' - 50 sax  
Plug No. 5 - 300' - 250' - 50 sax  
Plug No. 6 - 10' - 0' - 10 sax

Install dry hole marker in accordance with U.S.G.S. regulations. Mr. Bob Norman, of Delhi-Taylor, has inspected logs and is in agreement that plugs will sufficiently protect any possible potash zones.

Verbal approval obtained from Mr. D. F. Russell, U.S.G.S., Salt Lake City, Utah.

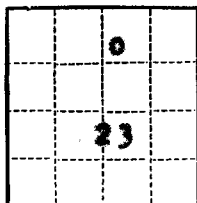
Company THE PURE OIL COMPANY

Address P. O. Box 265

Moab, Utah

Alpine 3-3581

By J. B. Strong  
J. B. Strong  
Title District Chief Clerk



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office SALT LAKE

Lease No. USA SL-167043

Unit Rig Flat

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 23, 19 61

Rig Flat Unit No.

Well No. 4 is located 320 ft. from [N] line and 159 ft. from [E] line of sec. 23

NW NE Sec. 23  
( $\frac{1}{4}$  Sec. and Sec. No.)

26S  
(Twp.)

19E  
(Range)

Salt Lake  
(Meridian)

Rig Flat  
(Field)

Grand  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~surface~~ <sup>ground</sup> above sea level is 6007 ft.

RB elevation 6017 ft.  
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well Plugged and abandoned as follows:

Plug No. 1 - 6520' - 6475' - 45' - 20 max salt saturated cement.  
Plug No. 2 - 6050' - 5850' - 200' - 85 max salt saturated cement.  
Plug No. 3 - 5250' - 5050' - 200' - 85 max salt saturated cement.  
Plug No. 4 - 4250' - 4150' - 100' - 50 max salt saturated cement.  
Plug No. 5 - 300' - 250' - 50' - 60 max salt saturated cement.  
Plug No. 6 - 10' - 0' - 10' - 10 max regular cement.  
Pulled 3,467.22' of 9-5/8" OD casing. Left 15.2# low water loss mud between plugs.  
Installed dry hole marker in accordance with U.S.O.S. regulations. Rig released  
6-21-61. FINAL

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE PURE OIL COMPANY

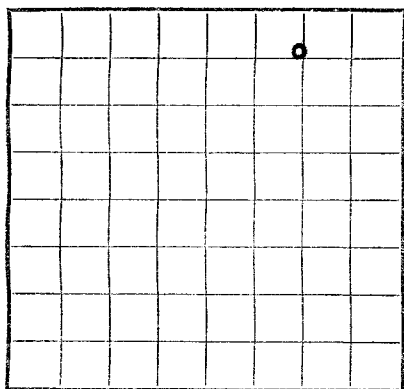
Address P. O. Box 265

Moeab, Utah

Alpine 3-3581

By

J. E. Strong  
Title District Chief Clerk

U. S. LAND OFFICE Salt Lake  
SERIAL NUMBER USA SL-167043  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company THE PURE OIL COMPANY Address P. O. Box 265 - Moab, Utah  
 Lessor or Tract U. S. Government Field Big Flat State Utah  
 Well No. 4 Sec. 23 T. 24S R. 19E Meridian Salt Lake County Grand  
 Location 330 ft. N of N Line and 1596 ft. E of E Line of NE, Sec. 23 Elevation 6017'  
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed B. StrongDate June 28, 1961Title District Chief Clerk

The summary on this page is for the condition of the well at above date.

Commenced drilling May 11, 1961, 19\_\_\_\_ Finished drilling June 16, 1961

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8"	45#	8-R	FS	261'	Float				Cemented to surface.
9-5/8"	35#	8-R	FS	4225'	Float	3475'			Intermediate string

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	261'	200	Halliburton		
9-5/8"	4225'	200	Halliburton		

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from zero feet to 6721 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Well P & A, 19 61. Put to producing \_\_\_\_\_, 19 61

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which Dry Hole % was oil; \_\_\_\_\_ %  
 emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	276'	276'	Sand and shale.
276'	2610'	2336'	Sand.
2610'	3017'	407'	Sand and shale.
3017'	4225'	1208'	Sand.
4225'	4261'	36'	Salt.
4261'	4470'	209'	Anhydrite and salt.
4470'	4557'	87'	Anhydrite, shale and salt.
4557'	4825'	268'	Salt.
4825'	5005'	180'	Salt and shale.
5005'	5131'	126'	Salt.
5131'	5207'	76'	Salt and dolomite.
5207'	5495'	288'	Shale, sand and anhydrite.
5495'	5736'	241'	Salt.
5736'	5905'	169'	Salt and shale.
5905'	6120'	215'	Salt.
6120'	6280'	160'	Salt and shale.
6280'	6721'	441'	Salt.

6721'

TOTAL DEPTH

See also: IH 5600' no ICI, IF 170' 30 min FCI 350' FH 2350'

Halliburton BCF No. 1, 4302' - 5131'. Tool open 30 minutes. Opened with a weak  
 blow, died in 1 minute. Recovered 270' of drilling fluid. Pressures: IH 2350,  
 Bottom hole temp. 100°; no ICI, IF 170, FF 180, 30 minute FCI 345, FH 2350.  
 Bottom hole temp. 100°

10VER1

LOCATION: L. ROCKY CORNUS

16-43094-4

# FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
Halliburton DST No. 2	5321' - 5340'		Tool open for initial opening with weak blow, died in 1 minute. Left tool open 30 minutes. Rec. 50' of drilling fluid. Pressures: IH 2900#, no ICI, IF & FF 170, 30 min. FCI 320, FH 2835.
Halliburton DST No. 3	5339' - 5523'		Paradox salt. Opened with a weak blow and died in one minute. Pulled loose and reset tool. Opened with a weak blow and died. Left tool open one hour. Recovered 50' of drilling fluid. Pressures: IH & FH 2940#, No ICI, IF 70#, FF 85#, 30 min. FCI 1975.
Halliburton DST No. 4	5522' - 5645'		Tool opened with a weak blow, died in 1 minute. Pulled loose and reset tool. Shut in for ICI. Tool open 1 hr. no blow. Recovered 40' of drilling fluid. Pressures: IH 3115, 30 min. ICI 170, IF & FF 140, 30 min. FCI 155, FH 3110.
Halliburton DST No. 5	5644' - 5736'		Tool opened with a weak blow, died in 1 min. Pulled loose and reset tool. Tool open 1 hr. no blow. Recovered 40' of drilling fluid. Pressures: IH & FH 3235, 30 min. ICI 435, IF & FF 105, 30 min. FCI 140.
Halliburton DST No. 6	5736' - 5905'		Tool open 1 hr. opened with a weak blow, died in 1 minute. Recovered 70' of drilling fluid. Pressures: IH 3320, 30 min. ICI 275, IF & FF 170, 30 min. FCI 190, FH 3285.
Halliburton DST No. 7	5336' - 5905'		Tool opened with weak blow and died in 2 minutes on 15 minute initial opening. Tool open one hour. Opened with weak blow and died in 1 minute. Recovered 300' of drilling fluid. Pressures: IH 2800# 15 min. ICI 2510#, IF 114, FF 204, 20 min. FCI 2730, FH 2765.
Halliburton DST No. 8	5905' - 6120'		Tool open 1 hr. Opened with a weak blow, died in 1 minute. 8 hrs. getting packer loose. No recoveries because had to reverse fluid out in order to get unstuck. Pressures: 30 min. ICI 1295, IF & FF 120, 30 min. FCI 525.
Halliburton DST No. 9	6120' - 6214'		Tool open one hour. Opened with a weak blow and died in 1 minute. Recovered 60' of drilling fluid. Pressures: IH & FH 3455, 30 minute ICI 210, IF & FF 140, 30 minute FCI 175.
Halliburton DST No. 10	6214' - 6280'		Tool opened with very weak blow and died in two minutes on initial opening. Left tool open 1 hr. No blow. Recovered 40' of drilling fluid. Pressures: IH 3455, 30 minutes ICI 140, IF & FF 70, 34 min. FCI 70, FH 3390.
Halliburton DST No. 11	6278' - 6721'		Tool opened with a weak blow and died in 5 minutes on initial opening. Left tool open 1 hour. Recovered 40' of drilling fluid. Pressures: IH 3616, 30 min. ICI 240, IF & FF 155, 30 minute FCI 175. FH 3565.
Halliburton DST No. 12	6460' - 6721'		Tool opened with fair bubble, died in 5 minutes. Left tool open one hour. Recovered 100' of drilling fluid. Pressures: IH 3665, 30 minute ICI 775, IF 165, FF 175, 30 minute FCI 445, FH 3615.

## IMPORTANT MARKERS:

Paradox Salt	4274'	(+1743)
Clastic Zone #1	4410'	(+1607)
Clastic Zone #1 (repeated)	4618'	(+1399)
Clastic Zone #2	4833'	(+1184)
Clastic Zone #3	4931'	(+1086)
Clastic Zone #4	5055'	(+ 962)
Clastic Zone #5	5293'	(+ 724)
Clastic Zone #5A	5402'	(+ 615)
Clastic Zone #6	5460'	(+ 557)
Clastic Zone #7	5629'	(+ 388)
Clastic Zone #8	5802'	(+ 215)

## HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Clastic Zone #9	5881'	(+ 136)
Clastic Zone #10	6089'	(- 72)
Clastic Zone #11	6193'	(- 176)
Clastic Zone #12	6247'	(- 230)
Clastic Zone #13	6449'	(- 432)